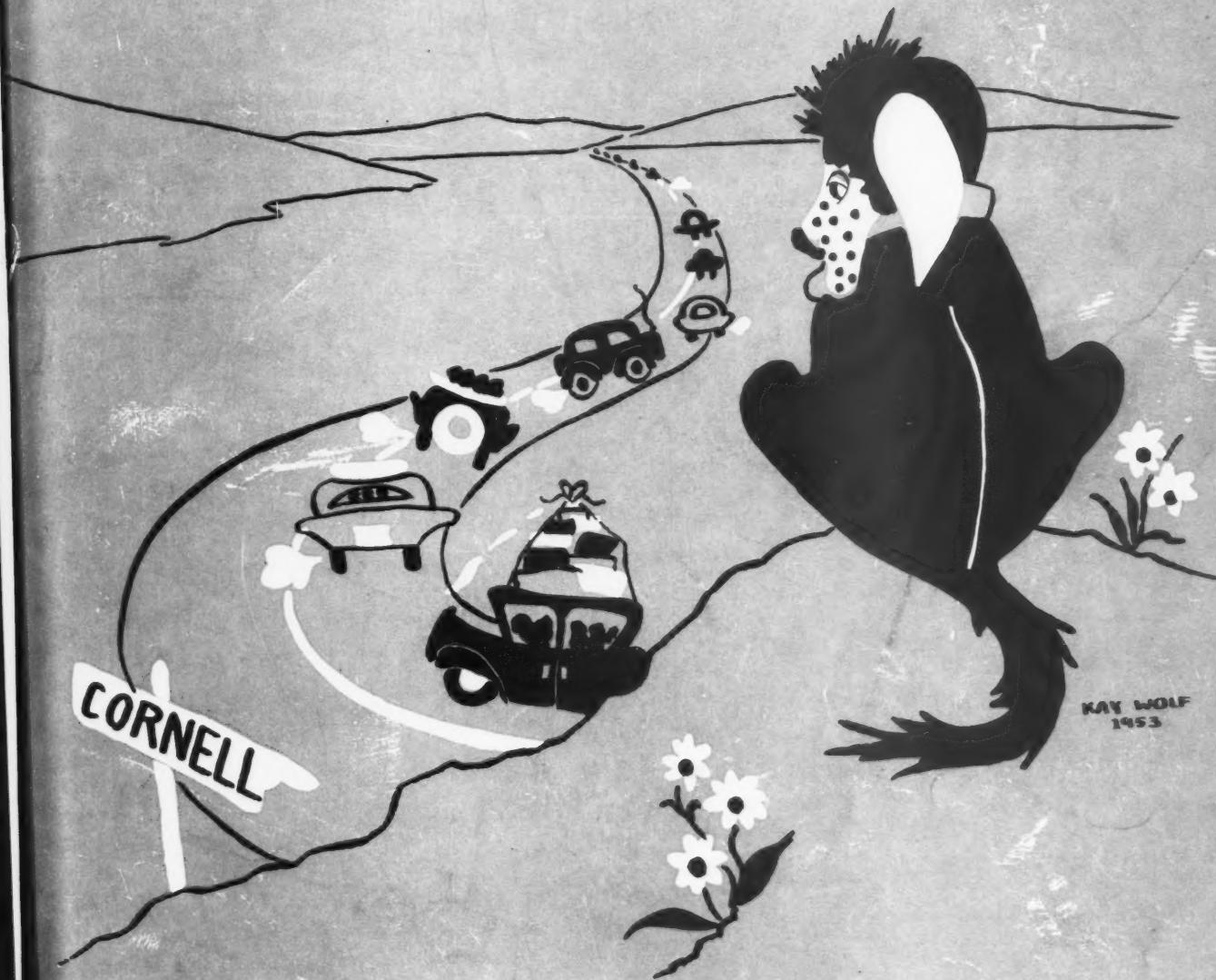


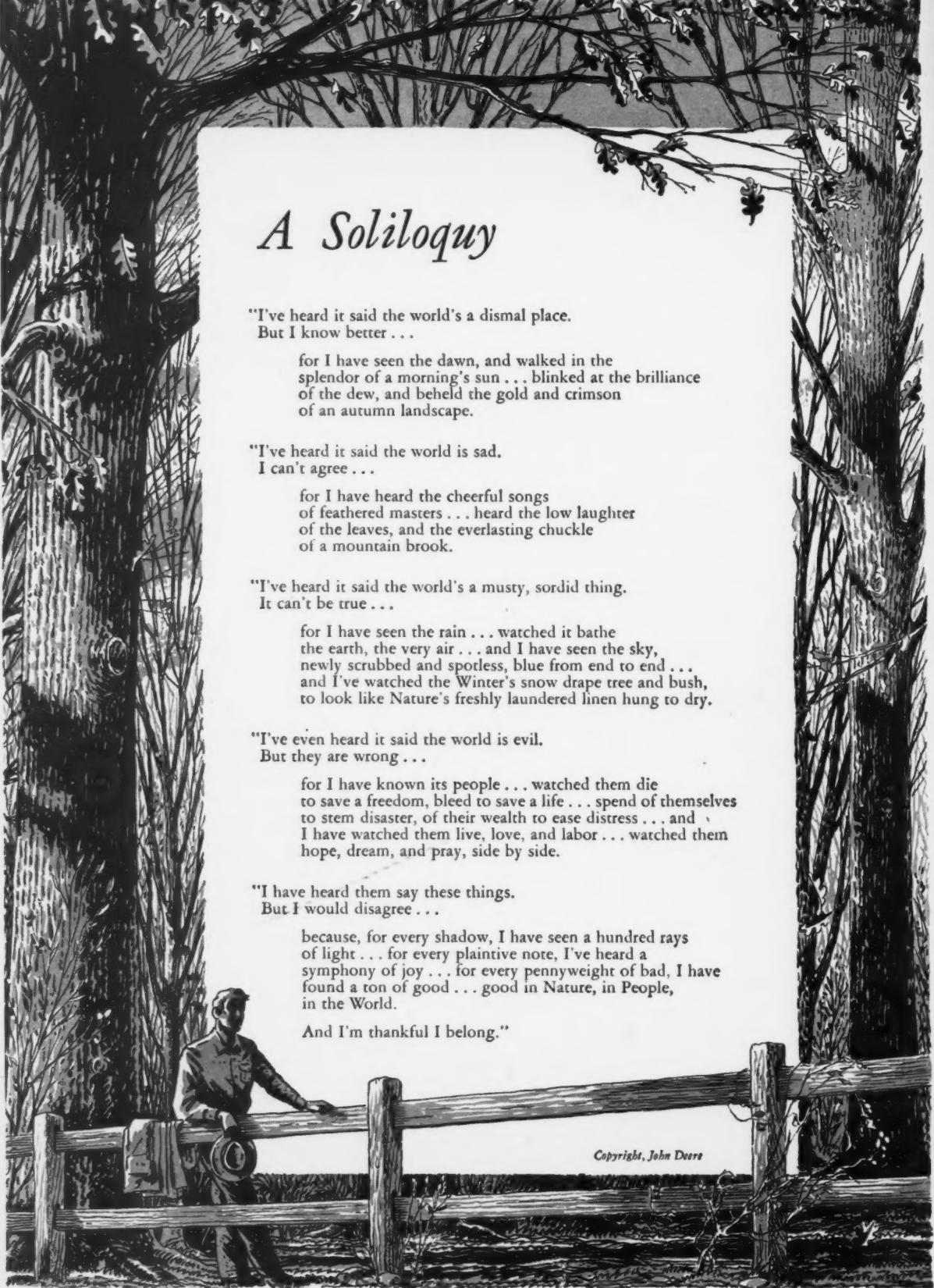
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The Cornell Countryman



May 1953



A Soliloquy

"I've heard it said the world's a dismal place.
But I know better . . .

for I have seen the dawn, and walked in the
splendor of a morning's sun . . . blinked at the brilliance
of the dew, and beheld the gold and crimson
of an autumn landscape.

"I've heard it said the world is sad.
I can't agree . . .

for I have heard the cheerful songs
of feathered masters . . . heard the low laughter
of the leaves, and the everlasting chuckle
of a mountain brook.

"I've heard it said the world's a musty, sordid thing.
It can't be true . . .

for I have seen the rain . . . watched it bathe
the earth, the very air . . . and I have seen the sky,
newly scrubbed and spotless, blue from end to end . . .
and I've watched the Winter's snow drape tree and bush,
to look like Nature's freshly laundered linen hung to dry.

"I've even heard it said the world is evil.
But they are wrong . . .

for I have known its people . . . watched them die
to save a freedom, bleed to save a life . . . spend of themselves
to stem disaster, of their wealth to ease distress . . . and
I have watched them live, love, and labor . . . watched them
hope, dream, and pray, side by side.

"I have heard them say these things.
But I would disagree . . .

because, for every shadow, I have seen a hundred rays
of light . . . for every plaintive note, I've heard a
symphony of joy . . . for every pennyweight of bad, I have
found a ton of good . . . good in Nature, in People,
in the World.

And I'm thankful I belong."

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insects

YOU SHOULD KNOW

*How to Identify
These Crop Destroyers*



COTTON FLEAHOPPER

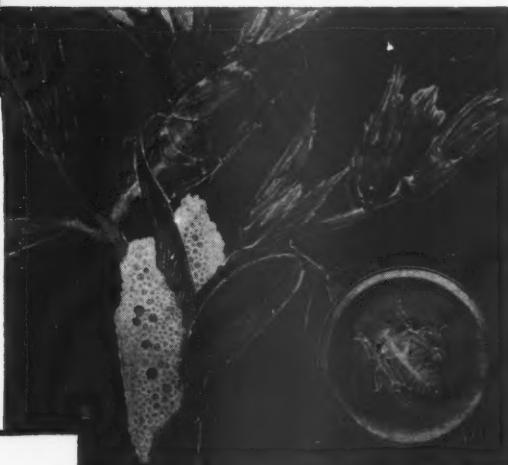
Psallus seriatus (Reut.)

The fleahopper pierces and sucks sap from the terminal buds and newly formed squares . . . breeds on goatweed (crotton), primrose, horsemint, and other plants. One field of goatweed may hatch millions of fleahoppers. The adult is a flattened, oval-shaped, pale-green winged insect approximately $\frac{1}{8}$ " long. The body is spotted with four black marks near the wing tips. The young cotton fleahopper is very small, green, and wingless.

CUTWORMS

Family *Noctuidae*

When you find young plants cut off at the ground, a cutworm is probably responsible, and might well be found in a small burrow in the soil close by. A cutworm is the larva, or caterpillar, of a night-flying moth. There are many kinds. The commoner ones are stout, well-fed, soft-bodied, smooth or nearly smooth, and cylindrical, with color varying from gray to brown or nearly black. Sometimes they are spotted or marked with stripes.



MEADOW SPITTLEBUG

Philaenus leucophthalmus (L.)

Spittlebugs attack alfalfa and other legumes. The yellow- or coral-colored immature bugs are first found in tiny specks of foam or froth on the plants in early Spring. They suck sap from the young, tender plant parts as they travel upward, always enlarging the spittle masses. In June, the bugs develop wings and swarm over the fields as brown or gray, wedge-shaped, quick-jumping hoppers which infest hay.

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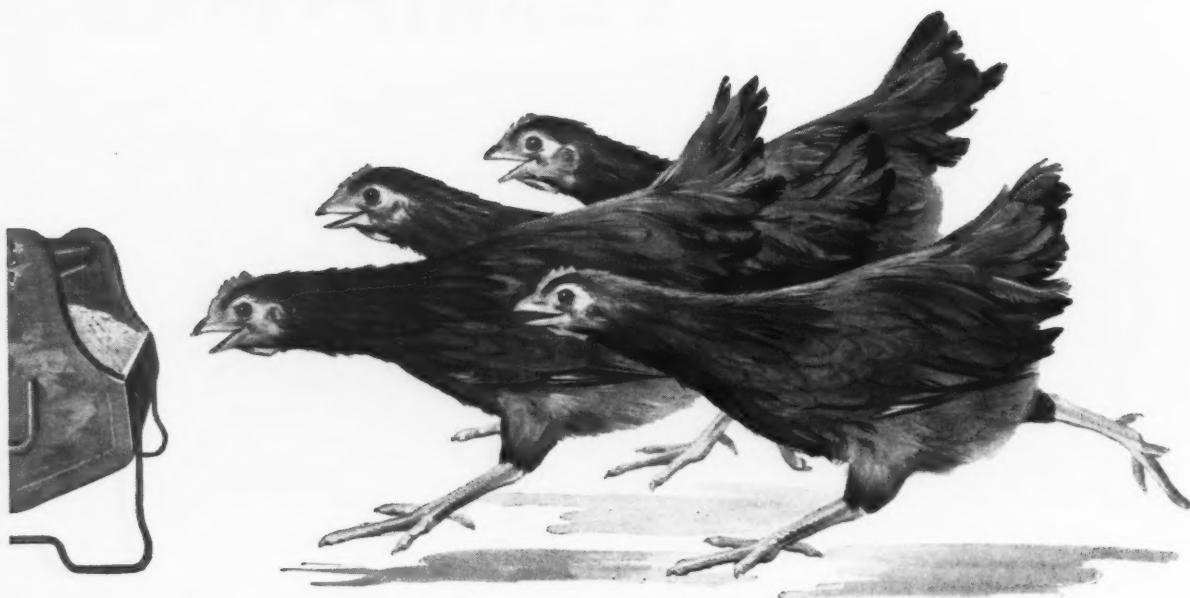
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The Cornell Countryman

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Cover Story

While wandering perplexedly through a maze of modern art recently, we suddenly thought of applying the "surrealistic touch" to that photogenic subject, *Goofus*. Why not? *Goofus* is very real and very large, and quite unlike the creature on our cover. However, we ask you to use your imagination, and picture a scene of glad departures, loud farewells, heavily loaded cars blocking the thoroughfares of greater Ithaca, and a large and very sad dog watching the whole procedure. His eyes too, are turned over the hills and far away. *Auf wiederseh'n!*
Cover drawing by Kay Wolf '54

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Vol. L—No. 8



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Editorial Opinion

Apathy or Reason?

The subject of extra-curricular activities has been thoroughly chewed, swallowed and digested at periodic intervals by various groups, interested and disinterested alike. What ultimately influences a student to affix his signature to the contracts of a dozen alluring organizations, or to painstakingly avoid any commitments whatsoever, is the degree to which he wishes himself to be a joiner. In these days of hectic competition in love and war, it is small wonder that literally thousands of college students are desperately seeking membership in organizations.

Extra-curricular activities are today as strong as ever. That fewer students sign up and compete for registered organizations is no indication that interest is waning. On the contrary, there is no reason to believe that persons selected for officers in the agglomeration of clubs, publications and societies on campus should exhibit less enthusiasm for responsibility than their predecessors, unless it is the fact that corporations seeking college graduates are paying less homage to the string of titles in the yearbook.

Student participation in extra-curricular activities is necessarily measured by total numbers, but a decreasing enrollment is not by force indicative of a growing apathy. Just as old roots that have become useless to the plant are sloughed off, those students who once joined an organization merely for the sake of "being in it" are finding themselves an unwanted minority. The hangers-on grow fewer year by year. This is not apathy; it is a form of maturity.

In the long-term trend, we see the end of the mad scramble to join clubs, and a greater appreciation of the gifts which the university offers to all alike. One doesn't have to be a member of X Club or Y



Council to read the Saturday Review of Literature in the Ellis Room, or to have an off-the-record talk with a professor, or to attend a lecture on Chinese philosophy in Anabel Taylor. It is indeed a great pity that certain groups continue to stress so strongly extra-curricular "participation."

Perhaps, too, students are taking a greater interest in purely academic matters. At least they may be becoming more conscious of the wealth of knowledge which they catch glimpses of at every corner.

Few students have the chance to realize, in the short span of four years, that interest in extra-curricular activities as denoted by total numbers declines when the quality of university instruction improves, and vice versa. To be sure, this is a long-term trend, but a logical one. Would it be too hazardous a guess to say that teaching at Cornell has been getting steadily better for the past decade? The "Sun's" poll on declining enrollment in organizations need not be taken so ominously after all.

The fertile years of college life, the hours in which one assimilates new material the most rapidly, should be devoted to some goal more worthy than scurrying from one club meeting to the next.

In conclusion, there is really no apathy towards extra-curricular activities, only a better realization of their true value. The picture is an optimistic one, and grows more so every year. If trends mean anything, and the statisticians assure us they do, it may be said that students are exercising more fully their right of decision, and only after a good look around, are undertaking wholeheartedly the responsibility of leadership in organizations with which they feel themselves allied by a genuine interest.

Arthur Dommen

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Dean Elizabeth Vincent

Scholar, Educator and Writer

Mountains and Dancing Theme of Retiring Dean

by Roberta Manchester '53

Mountains and dancing—seemingly unconnected—have followed Dean Elizabeth Vincent of the College of Home Economics through much of her career.

Dean Vincent retires this summer to fulfill her long-time plan of a career in writing in the area of child development and family relations. Dr. Vincent has previously written several text books in this field and many magazines have carried her professional and semi-professional articles. When her bookplate was designed in the early twenties, she purposely chose the two themes, mountains and dancing, which she loved so well.

Dr. Vincent was brought up in a gold mining center, Victor, Colorado, which has since become a ghost town. Here the mountain scenery is some of the most beautiful in the world. Her college days were spent at the University of Colorado, where she earned her A.B. and M.A. Neither these col-

lege days nor her first jobs as psychology instructor at the University and as director of the Psychology Clinic at a Juvenile Court in Denver, took her away from the mountains. It was not until she came East to start working on her Ph.D. in education psychology at Columbia University, that she had to leave her beloved mountains and substitute the sky scrapers of New York City.

Dancing and Music

While in New York Miss Vincent took ballet lessons for pure pleasure. In her childhood she had received dancing training from professional artists in ballet and interpretive styles. At fourteen her first job offer came for a dancing position on the stage. Although she turned this down and partially ended her dancing career, her deep-rooted feeling for dancing has existed throughout her life.

Also during her childhood, she

trained to become a concert pianist. Both her parents were musicians, and they wanted Lee to be one too. She had to spend such long hours practicing at the piano, that she sickened of piano playing, even for her own amusement. Nevertheless, music and concert-going are among her many interests.

Dean for Seven Years

From her cheerful office in the College of Home Economics, Dean Vincent has for the past seven years promoted the growth and development of the College and the University. Hanging on the wall of her office is a soft-toned modern painting, done for her by Virginia True, head of the Housing and Design Department. The Dean wasn't consulted as to the picture's theme; it turned out to be coincidentally, mountains and dancing.

Dr. Vincent has demonstrated great skill in her administrative work and associations with the students and faculty. Her job as head of the psychology department at the Merrill Palmer School in Detroit for twenty-one years, helped her for her work at Cornell. Being interested in child development and family relations, she worked closely with the home economists at Merrill Palmer, Faculty, and it was there that her home economics future began.

Interest in Children

Dr. Vincent's keen interest in children started when she was at the Juvenile Court. She admits that her experiences with delinquent children were some of the most valuable assets in her training. Her future work, writings, and student relationships here at Cornell have shown this interest. She has always taken part in student activities and has worked to promote both men's and women's groups on campus.

As a speaker and lecturer, Dr. Vincent is well-known. Before coming to Cornell she did part-time lecturing in the areas of child development and family relations at many universities throughout the nation. She can hold forth equally well at a political economy meeting or a gathering discussing the philosophy of religion. Throughout the

(Continued on page 16)

Vest Pocket Jungle

Any day of the year a visitor to the Plant Science Conservatory may find anything from a Ladyslipper orchid to an African violet.

by Jane Little '53

Imagine yourself in the fragrant, moist, tropical jungles, surrounded by ferns, palms, and exotic flowers. What a pleasant thought on some raw, windy day, you say. And yet did you know that right here on the Cornell campus you don't have to use your imagination at all?

In the Conservatory at the rear of Plant Science you'll find tropical plants from all over the world, growing undisturbed by the climate of upstate New York. This collection of nearly 900 species and varieties is used for everything from Bailey Hall decorations to taxonomy courses.

To most people, tropical flowers mean orchids. In the collection of 250 species and varieties are flowers ranging from the size of a dime to the popular Cattleya of corsages which may be 8 inches in diameter.

Always In Bloom

Orchids could well be called the rainbow flower since there are red, yellow, blue, purple, green, and white ones, as well as many pastel shades.

Because so many different kinds are represented, it is almost impossible to go into the Conservatory and not find at least one orchid in bloom. Hanging from their pots above your head, the moth orchids remind you of their namesakes, and the Ladyslipper orchids attract you with their subdued green and brown. Among the plants from Central America is what is probably this country's largest collection of Mexican orchids.

Uses of Plants

Many of these plants serve a useful purpose, too. They are being used in a series of experiments to help commercial florists grow better orchids. One of the most interesting programs is that of growing them under different temperatures and daylengths. Eventually the com-

mercial grower hopes to have all kinds of orchids in bloom at any season.

Another experiment being conducted is that of finding new root media, that is, new types of soil. At present, orchids are grown in fern roots, an expensive undertaking, for all the roots are gathered by hand. Since so many orchids are now being grown, ferns are becoming scarce. A study of the watering frequency going on for three years, has shown that daily watering produces the most flowers.

Other Tropical Plants

As a background for the delicate orchid flowers, there are many tropical ferns and palms. These add to the effect of a true jungle as they tower above you. Those of you who are familiar with that popular house plant, the African violet, may not realize that it has many attractive relatives. A collection of these shares bench space with varieties of their widely publicized cousin.

While the tropical plants catch your attention first, you may wonder about the many other plants that grow in the cool part of the Conservatory. In the fall term, students in Floriculture I use part of this as a laboratory. Anytime in November or December, you will be sure to find someone who wonders if he will have his Paper-white Narcissus in bloom at the right date.

In the spring, flowering plants for the Willard Straight rock garden or the Lua A. Minns Memorial Garden on Tower Road are started here. At any time of year you may see a Wardian case, like a miniature greenhouse, filled with tiny plants being grown experimentally.

For those who associate bananas, figs, pineapples, oranges, and coffee only with grocery stores, the Conservatory offers a view of them as they would be in their native habitat—the making of a tasty breakfast. There is no need to visit the tropics; your chance for a sample is right here in Cornell's pocket-sized jungle.



A close-up of a few of the orchids that are included in the Plant Science Greenhouse —Ferrari

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Soil Conditioners . . .

The Aftermath

by Arthur Dommen '55

"Give new life to your garden instantaneously!"

To those whose custom it is to mull over the garden section of their Sunday paper, this line is certainly familiar. Such words as "miraculous," "remake" and "equivalent" have become standard terms in the advertisements of soil conditioner manufacturers, and the optimistic how-to-do-it articles that complete the pages are no less hazy.

The excitement that accompanied the announcement of Krilium in the spring of 1952 still surges on. But among research workers and chemical company executives, it has crystallized into an awareness of the need for more and more knowledge concerning soil structure. There is no doubt left in anyone's mind that the development of these synthetic materials, such as Krilium, is the most important definite step towards simplifying the control of soil physical conditions.

It was by an undetermined coincidence that Krilium originated, in the laboratories of the Monsanto Chemical Company. Yet, more than a year later, research on these materials is still in its infancy. As an example of the problems still ahead, one product at least has the disadvantage of producing an undesirably dry soil surface, with the consequence that small seeds may fail to germinate. How this difficulty can be countered is yet to be seen.

In the main, however, many of the existing conditioners perform successfully their semi-permanent function of improving soil structure, and their temporary functions of preventing crusting and erosion, all at a nominally high cost. Following the pattern set by DDT, the soil conditioner has proved to be a very expensive child indeed. Nevertheless, it is said that one greenhouse in St. Louis treats all its soil with Krilium; the easier watering of plants in a well-granulated medium,

and the consequent elimination of much labor, offsets the initial cost of the conditioner.

Lawsuits . . .

Much of our present knowledge of these products has been acquired through industrial contracts at agricultural colleges. But before samples of an entirely revolutionary product have been compared through a satisfactory, standardized test, there is much confusion and bitter name-calling. In one recent instance, the manufacturers of a material receiving a low rating in a release published by an eastern university have filed suit against members of the department connected with the injurious bulletin. The case is a grave one, for the amount of the suit runs to six figures.

There is good reason to believe that, by finding improved materials and better methods of production, soil conditioners will continue to create interest in the physical condition of the soil. Furthermore, with lowered costs, these substances are sure to find their way out of the flower pots, nurseries, and football fields to the general farm. However, it is at no time to be forgotten that soil conditioners do not create, but merely preserve, the good structure in the soil to which they are applied.

But No Miracles

Man, never satisfied with Nature by herself, constantly strives to improve upon her slow-but-sure methods. He is ever running ahead, breaking his traditional bonds, impatient in his conquest of the unexplored.

The farmer's occupation is peculiar in that it will always require the exertion of manual labor. True, his hands are no longer on the plow; instead, they are on the tractor steering wheel. It is an exacting job, keeping ahead of Nature, pushing her—pulling her—as you will.

We have learned not to expect miracles from soil conditioners. This field of industry is a large one, and exaggeration has no place here. Thus, it is well to keep in mind the moral of Professor Carew's little leaflet on ERUNAM, the "wonder" soil conditioner. Spelled backwards.

The Taxonomy of

College Professors

An unusual and telling description of some
of the men who make up modern education

by Prof. R. M. Smock

The genus "Professor" was studied on campuses from the Atlantic to the Pacific while on a sabbatic leave. This snooping survey was made with the thought of self improvement through examples from various species of the genus. The resulting disillusionment led the author to arrange the following taxonomic classification.

Fast Pace

The Floor Walkers: These gentlemen walk slowly or rapidly (depending upon their glandular gifts) across the lecture platform. Some of them would do better in a large department store. Instead of looking at the faces of the students, they study objects on the floor not visible to the students. If they happen to be fast walkers and interesting enough to listen to, the neck muscles of the students are as tired after an hour as though they had been attending a tennis match.

One of my favorites in this category was a gentleman in the dangerous forties who only looked up enough to scrutinize the calves of the ladies in the front row. He had seated a few girls in the class in the front row to better facilitate this scrutiny.

The Other Extreme

The Hypothyroids: This category includes the gentlemen who don't have the energy to do much walking or much talking. What talking they do simply can't be heard except by the eager beavers in the front two rows. Some of these men lean on the window sill and commune with God's out-of-doors. Education is supposed to engender a

little curiosity, but the only curiosity aroused in such class rooms is the wonderment as to what the professor m'ght be talking about.

The only enjoyment students get out of listening to such a man is in watching his face for a possible smile. If a smile appears, the students laugh uproariously at what was presumably very amusing.

Posterior Professors: These men can be viewed from the front only when coming into the room. They talk all hour to and presumably with the blackboard. Illustrations on the blackboard are good but students have a right to know what the teacher is talking about. Some professors write so faintly on the blackboard that they could be drawing pornographic pictures for all the students know. In one class at least one student was determined to learn something in spite of the professor. He was using field glasses.

Blinding Results

These men look at the blackboard so much that they probably should be excused on the basis of night blindness. Should they turn around to look at the class, the lights of the room would probably blind them.

"Take it or Leave it" Professors: Some seemingly well intentioned teachers seem to take pride in defying their students to really learn. Their attitude seems to be "I am paid to dish it out: you can take it or leave it." Questions by students on the life history of *Bacillus amylovorus* are treated as though there were skeletons in the closet of even this morally unimpeachable organism.



Professor Smock, preparing to go incognito.

What is shameful about making lecture material clear and understandable? Some professors give students the idea "this material is clear to me but you couldn't possibly understand it." This suggests to the student that the professor is fearful of losing his job if too many people know what he knows.

The Bone Drys: Some professors strive to make material as uninteresting as possible. Why can't the learning process be just a little less painful? It may seem difficult to inject interesting illustrations during a discussion of the sex life of *Venturia inqualis* but one professor did just that. It made the next ten minutes very bearable.

The constant rebuttal one gets from professors on this point is "we are not here to entertain" or "this is dead serious business." The first adjective is the more appropriate.

Odd Characteristics

You have not heard me complain about the odd little idiosyncrasies that characterize some professors: students should have something to remember their college teachers by.

(Continued on page 21)

An Answer to . . .

The Whys of Ithaca Weather

by Tom Sanford '55

Spring weekend will be a complete washout! Perhaps you resent that statement or accept it with an experience-backed "no kidding." Or possibly your college curiosity urges you to listen to an explanation as to just why such a depressing outcry is made in the first place.

In this Ithaca area, and more generally in the Southern Tier of the state, the occurrence of periodical rainstorms during the spring and fall is not uncommon. The sorry thing about them is this; the clouds time their outbreaks in this region at approximately one week intervals, and quite frequently without warning. As a rule, warm south and southeast winds are the cause for convertible tops to be rolled back early in April—but on this weekly basis, these winds build up their rainclouds and carry them to the skies directly over the Ithaca area. Here they proceed to precipitate, and consequently there is the quite



Our own . . .

—Collins

An Explanation for the Cornellian's Pet Gripe . . .

regular and abrupt shift in weather from good to bad.

Exasperating as it may be, Cornellians can well afford to plan on a rainy Spring Weekend, IF on the Friday or Saturday before, the city was struck by one of those twelve to 36 hour showers.

A Well-Spread "40"

But even with the disappointing consistency of Ithaca's spring and fall rains, the quantity of precipitation in the area continues to remain quite normal with regard to the "lay of the land." The output around here is about 38 to 40 inches per year. It just spreads itself out over a greater period of time.

The frequency of Ithaca rainstorms, however, is not the only phenomenon of the skies around here; and while we're on the subject of weather we'll continue with factual explanations concerning a few more of Ithaca's so-called "freaks" of nature.

Of course there's always the gripe that condemns Ithaca's excessively cloudy weather. But once you find out the reason behind our gloomy days, you may in the future feel a little bit more at ease while groping your way to classes through the unflinching "smog." The basic fact is that warm south winds traveling over the lower lands to our south have to strike our higher topography to cool. When these breezes cool to a certain point, their water vapor content condenses into the low hanging stratus type clouds, and we experience a period without direct sunshine. Naturally this phenomenon can't be defeated

either; unless somebody suddenly discovers how to lower the altitude of Tompkins County—or possibly some one could devise another route for the south winds.

Ice Skating

Maybe you've seen it or maybe you haven't, but there have been occasions when the sun has been shining on Ithaca and Lake Cayuga while at the same time a gray overcast has covered the campus and East Hill. But here again, we can only talk about this weather, as the adage goes. At any rate, the explanation is this; a thin overcast is carried east with the westerly winds, comes down over West Hill into the warmer valley, evaporates, and again condenses upon reaching the top of East Hill.

The current trend toward milder winters has put the skids on winter sports enthusiasts. In 1935 Cayuga Lake was frozen as far down as Taughannock Point and Cornell had a hockey team on Beebe Lake. Now the ice skaters



Ithaca weather.

—Collins

polish their blades for about two or three trials before stashing them away again for another year. But don't be too sad—it's happening all over the Northeast. Or better yet, come back in 25 years and the cycle of winters will have reversed from warmer to colder! Well anyway...

With or without mild winters, Ithaca, as you must know, is definitely subject to a few pretty rugged snow storms in the latter part of winter. Most of these storms come from the west and pass over with only the "conventional" flurries; but sometimes we get a coast-

(Continued on page 22)

Picnic Pointers For . . .

The Spring Picnic Rush

To Aid You In Planning Your Latest Urge for Outdoor Eating . . .

A luscious steak sizzling over a hot charcoal fire; potatoes and fresh sweet corn roasting in the coals; ice-cold lemonade waiting in the thermos jug—mmm, don't you begin to get that picnic urge? Well, summer isn't very far away; c'mon—make some plans, pack your baskets, and let's go!

Food cooked outdoors has a wonderfully appetizing flavor, and this is one of the reasons why people look forward to picnics. But it's wise to make a few careful preparations before embarking on an excursion over an unfamiliar countryside. Carry a bag of charcoal with you instead of counting on finding enough good wood for the fire. A small folding grill to set over the fire will keep pans steady, and is handy to broil steaks and hamburgers.

Water, Etc.

If you picnic often, you might like to keep a basket packed with a supply of necessary equipment, so you can be ready to go in a jiffy. Some useful items for such a basket are a long-handled fork, non-spilling salt and pepper shakers, paper toweling for wiping out utensils, thermos jug for drinking water (don't forget to take some fresh water along with you), waxed paper envelopes for sandwiches, and a tightly-closed tin box for sugar. And of course you'll remember to take matches and newspaper for starting the fire.

What would be good to broil over a picnic fire? Well, there's bacon, sausages, lamb chops, hamburg patties (onioned, shaped, and ready to cook), steak, fish, and tomatoes. For hot things to carry along (in a thermos jug or to reheat): scalloped potatoes, cooked vegetables, baked beans, soup, goulash, or chicken fricassee. Cold things to

tote?—try whole tomatoes, cold meats, stuffed eggs, cheese, and salad greens (washed and dried, with French dressing in a tightly-corked bottle).

Everyone will be thirsty, so bring along plenty of beverage: chocolate milk or hot cocoa, fruit juice or pop, or hot vegetable soup or consomme. And don't forget dessert! You might bring fruit and cookies, turnovers, ice cream packed in dry ice, or perhaps baked custards (but pack them carefully).

Cool, crisp salads are always good on a hot summer day. Try potato, cooked vegetable, chicken, fish, or

If you like the flavor of food roasted in hot coals, in addition to potatoes and corn you might have a small boneless ham, chicken, or clams. Here's a tasty treat: split a banana nearly through lengthwise and put brown sugar in the middle. Then wrap the banana tightly in aluminum foil, and let it bake in the hot coals for ten or fifteen minutes.

A Roll On A Stick

People usually enjoy cooking a few things themselves, so let them make their own hot rolls! Wrap Bisquick dough around the end of a



One of the uninvited guests who is apt to be present at every picnic.

any salad that won't be injured by being prepared very long in advance or by being tightly packed or shaken. Cooked dressing is safer than mayonnaise, which may separate if mixed with the salad too far ahead of time. Wash lettuce, tomatoes, cucumbers, etc., and wrap separately in waxed paper to be sliced and mixed with French dressing when ready to serve.

one inch thick stick for five or six inches, and hold the stick over the fire. When the roll puffs up and is brown, remove it from the stick and fill the center cavity with, jam, peanut butter, or sandwich filling.

Here are a few other little suggestions: Brown sugar mixed with creamed butter makes a delicious sandwich filling. Put devilled eggs

(Continued on page 20)

Introducing . . .

Dot Klimajeski

As one of the trio of managing editors for this school year, Dot Klimajeski has been wrapped in the variety of tasks that make up the job. Taking turns with the other two editors, it's up to Dot to see that the odds and ends of ideas for the next *COUNTRYMAN* get put together. Though her interest in journalism started in high school, she waited till her sophomore year to compete for the staff.

The fourth floor of Roberts is one of her "homes." The home ec cafeteria, where she has worked for three years, has been another. A general home economics major, Dot was a dorm V.P. for a couple of years as well as serving as the president of Wayside Aftermath last year.

Long Island is Dot's home, but she doesn't come from the populated part (though Riverhead is far from wilderness). She has spent most of her life on a potato farm within sight of the Sound. In spite of nearly drifting away in the Ocean at the age of two, she is still fond of salt water. "My sister claims I've never floated well since then." Living on the south shore at the time, Dot vividly remembers the ocean flood following the '38 hurricane "when we had all sorts of interesting dead fish floating in our cellar."

Dot has had a variety of summer experiences. After her freshman year, she went back to a job in her home town "as general errand girl."



Dot

The next year she and her roommate found positions as cooks and waitresses for a private family on Fisher's Island "where we swam and watched the submarines go by."

This summer Dot was one of the five Go Westers who headed for Seattle. She got a job at Boeing Aircraft with the official title of "blueprint cutter and folder." "I guess I'll always recognize an 8½ by 11 rectangle," she says. "Other than that I'm not sure how I'll fit that experience into my future."

The engagement ring that sparkled on Dot's left hand since Easter is a clue to her future. She plans to marry Jack Porter '52 after his stay in the Army. As a farmer's wife, she'll go from *COUNTRYMAN* to "countrywoman."

L. C.

Phil Foster

Roberts 492 has been Phil Foster's senior stronghold. Here in the crowded "inner room" is the heart of the *COUNTRYMAN*, where between 4:30 and 6 almost every afternoon, are found any and all kinds of people discussing any and all kinds of problems.

These problems, the small ones that come with dummying a magazine page, or the large ones in the form of printer's bills, have intensified Phil's interest in journalism. He competed for the staff in his freshman year, has been with the magazine ever since, and this year served as editor.



—Collins

Phil

Journalism first preoccupied Phil in high school at Alfred, N. Y., where he had to find some activity as an outlet for his nervous energy. "I spent most of my time reading—in those days, I was hog wild over science."

Music has rivaled Phil's enthusiasm for journalism and science. That interest started in high school, "The band needed a French horn player, so that's what I learned to play." He spent the next two summers in music camp, taking lessons at the Eastman School in Rochester between times. He almost decided to continue there after high school, studying for a position in a concert orchestra.

But Phil came to Cornell to learn to be a teacher. Until this year, music has predominated in his list of activities. While a freshman, he joined the fleet-footed Big Red Band, as well as the Concert Band. A bass, he has sung with the Alpha Zeta quartet and the Presbyterian choir.

This year, though, Phil has had to limit himself to his other major interest—journalism. He sees the *COUNTRYMAN* as serving a real function for those ag students wanting practical experience in writing. "But," says Phil, "You can't sit up in this office day after day without learning a lot about people, too." To that, the "people" of the *COUNTRYMAN* staff might answer, "We've learned from Phil as well."

K. K.

... Your Friends

Roberta Manchester

June 15th and 16th will undoubtedly be the most memorable days in the college life of Roberta "Bobbie" Manchester. Those two days, merely an ordinary Monday and Tuesday to most of the undergraduates, will feature for Bobbie graduation from Cornell and an introduction to the popular custom of marriage.

Next term, while living at her home in Irondequoit, New York, Bobbie will attend graduate school at the University of Rochester to get her Master's degree in education. Then she will teach for about three years until her husband completes his three years as a naval officer.

Bobbie's days as a science teaching major at Cornell have also been busy and eventful. She started her freshman year as social chairman for her corridor in Dickson V. During the following years she was a member of the Congregational Church Group for two years and worked on the *COUNTRYMAN* for three years. She was also social chairman of her sorority, Alpha Omicron Pi, in her sophomore year, and a VP in Dickson VI in her



Roberta

junior year. This year Bobbie was president of her sorority.

Bobbie has also been successful along scholastic lines. She was initiated this spring into Phi Kappa Phi, a university honorary society, and is also a member of Pi Lambda Theta, a national educational honorary.

Bobbie's sincere and good-natured personality make her well suited to teaching. She evidently enjoys it, for when asked what her number one college experience was, she replied that the seven weeks spent teaching general science to 34 freshmen at Ithaca High School last fall was IT! Those kids who had her as a teacher last term and the many more who will attend her classes in the future may be envied to have such a capable and charming instructor.

L. C.

Bob Snyder

The white yachting cap, the Buick convertible, and the sleepy look add up to a familiar senior named Bob Snyder. Working at the home ec cafeteria, in the *COUNTRYMAN* office, or planning an Ag Domecon exhibit for the Activities Fair, Bob is bound to be found anywhere on campus.

Bob has many interests, but primarily he just "enjoys people." Chiefly for this reason activities are quite important to him. As the advertising manager of the *COUNTRYMAN* for three terms, he had many interesting experiences with people. He discovered that selling ads is quite an art. For instance, when trying to sell an ad to the Royal Palms last year, he ran into all sorts of opposition. Finally Bob mentioned that his AGR fraternity brothers were regular customers. Bob sold his ad.

Aside from the "interesting people" that one meets in activities, Bob feels that they also help students feel part of a closely knit group. He considers this especially important to freshmen, who are apt to be a bit lost. But, he emphasizes, "You shouldn't take on too



—Collins

Bob

many offices at once." You can't do a good job on any one of them if you do.

Although most of Bob's activities and courses have centered around the ag campus, he is a firm believer in a well-rounded education for ag students, including as many Arts courses as possible. He feels that any stress on one type of subject is not good, whether you're an ag student or an engineer. After he comes back next fall to finish his advanced ROTC, Bob plans to take pilot training and then do graduate work in ag at Cornell or the University of Southern California.

Working three of his four college years at Home Ec or correcting papers, Bob feels that you should not work any more than is necessary. "College comes only once; you should really enjoy it."

Even though he has worked, Bob has definitely managed to enjoy college. One of the highlights in this line came last spring vacation when he took a trip to Florida with several of his fraternity brothers—for a total cost of thirty dollars! It really helps to have friends who can furnish a five room bungalow in Florida.

One final word on Bob; he thinks there should be twenty minutes between classes so that ag students could get to their arts courses on time. If the day comes when we can stroll rather than pant into G.S., we can thank Bob Snyder.

E. C.

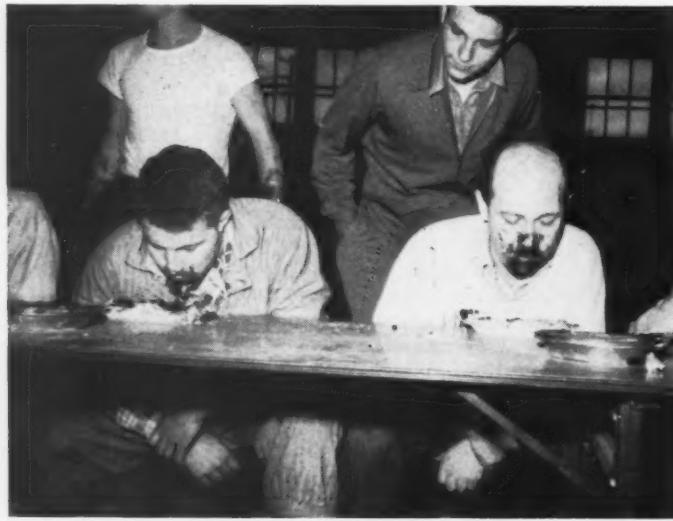
Campus Clearinghouse

Ag-Hec Day Successful; Over 300 Attend Barbecue

Judging from the enthusiastic participation of students of the upper campus, "Ag-Hec Day," sponsored by the Ag-Dom Council on April 11, was a great success. Over 300 people attended the chicken barbecue and square dance, held at the judging pavillion in the evening, and there was a large audience at the five preliminary contests in the afternoon.

"bake a cherry pie," for her entry won first place in the pie-baking contest, although Bill Staempfli '53, had the best appearing pie, Pat Lind '56, the best crust, and Mike Kelsey '53, the best filling.

Perhaps the most profitable contest of all—the pie-eating contest, was won by Dick Dikeman '53, with Mike Kelsey '53, a close second.



Contestants Bernie Rodee '57 and Ken Tillapaugh race to finish in the cherry pie eating contest while Pat Conlon '55 and Bill Hughes '54 look on. —Matejka

The tractor operators' contest, a very close struggle, was won by Joe Bokman '53, with Don Wickham Sp., and Al Dries '54, winning second and third, respectively.

Tops among sorority dairy maids was Hazel Bowdren '55, of Sigma Kappa. Mary Gentry '54, was second, while Grace Fox '55, won for the independent women.

Over-all winner of the famous "greased pig" contest was Dave Call '54, of Alpha Gamma Rho. Professor Brady was the leading faculty contestant, Don Wickham, Sp., was the winning independent, and Mary Holmes '56, the winning girl.

Betsy Murphy '54, can really

The Ag-Dom council is so encouraged by the success of its first Ag-Hec Day that it plans to make the affair an annual event. The next Ag-Hec Day will probably be held next fall, on an off-football weekend according to Wolcott Stewart '53, chairman of this year's event.

Ag-Domecon Elects

Ag-Domecon election results were announced on April 14 by Russ Smith '54, elections committee chairman.

Agriculture sophomore class representative next year is Bill Doerner, and the freshman class is represented by Henry Wadsworth.

Agriculture representatives - at - large are: David Diver, Alfred Dries, Glenn MacMillen, Bruce Marion, Don Marion, Pete Nesbitt, Keith Norton, Bob Reid, Jim Ritchey, Mary Ann Smith, and Nat Talmadge, all '54, Ben Hawkins and John Johnson '55, and Daryl Griffin and Ginny Paquette '56.

Doris Wunsch was elected Home Ec sophomore class representative, and Sandy Taylor freshman class representative.

Home Ec Reps-at-large are: Barbara Reed '54, Hazel Bowdren, Pat Hewson, and Charlotte Reit, '55, and Jean Grant and Alice Platt, '56.

The new representatives were oriented at a regular meeting of the old council on April 15. They took over officially at the April 29 meeting.

Round-Up Club

The Round-Up Club held its annual banquet on May 5, under the chairmanship of Al Dries '54. The affair honored the two honorary members of the club—Professor J. P. Willman of the an hus department and Mr. K. C. Sly, manager of MacDonald Farms. Awards won at various judging contests throughout the year were also presented.

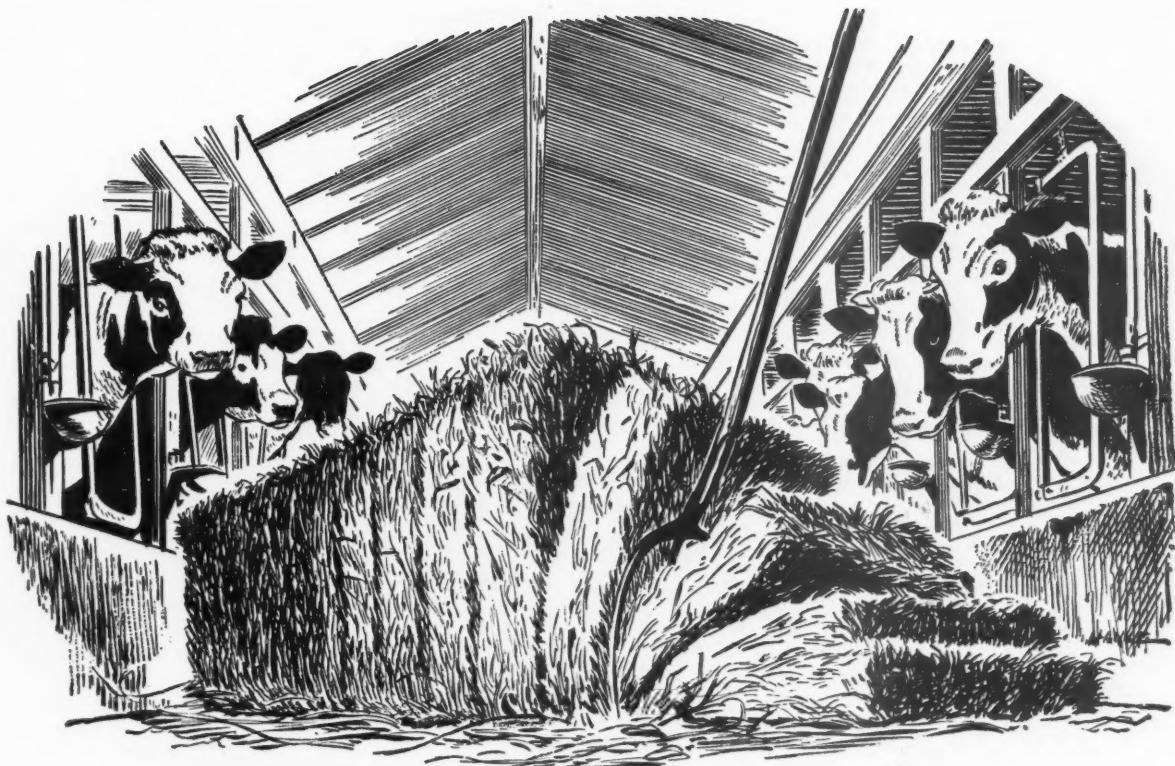
The club held a Spring Livestock Judging Contest, on May 8, in the Judging Pavillion, and a similar cattle judging contest was held on May 9.

The final event of this year will be a picnic at Taughannock Park on May 19.

Home Ec Club

At its recent election the Home Economics Club elected the following officers for the year of 53-54: Ann Farwell '55, president; Rudy Clarke '55, vice president; Nancy Knickerbocker '55, recording secretary; Sue Mc Kelvey '55, corresponding secretary; Lou Roberts '55, treasurer; Linda Mandelbaum '55, journal correspondent.

The New York State Home Economics Association, college clubs
(Continued on page 18)



What's in it for them?

A BALE OF HAY can be tasteless roughage for a cow to nose around and chew halfheartedly . . . or it can be a palatable feed, rich in protein and vitamins. What makes the difference?

The University of Wisconsin looked for an answer. They found that an acre of good alfalfa, cut at the right time and put up fast was about 57% leaves and yielded 3 tons per acre. The feed value of those three tons equaled a ton of linseed meal and a ton of corn and cob meal.

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Dean Vincent . . .

(Continued from page 6)

state, she has lectured and advised Home Bureaus and other women's organizations. Her work in extension has been invaluable.

Home Economics Leader

Cornell, as well as the state and nation, have felt her strong drive for the advancement of home economics and for increased college op-

portunities for women. In 1950 she helped coordinate and develop home economics and other areas in the State University units of New York.

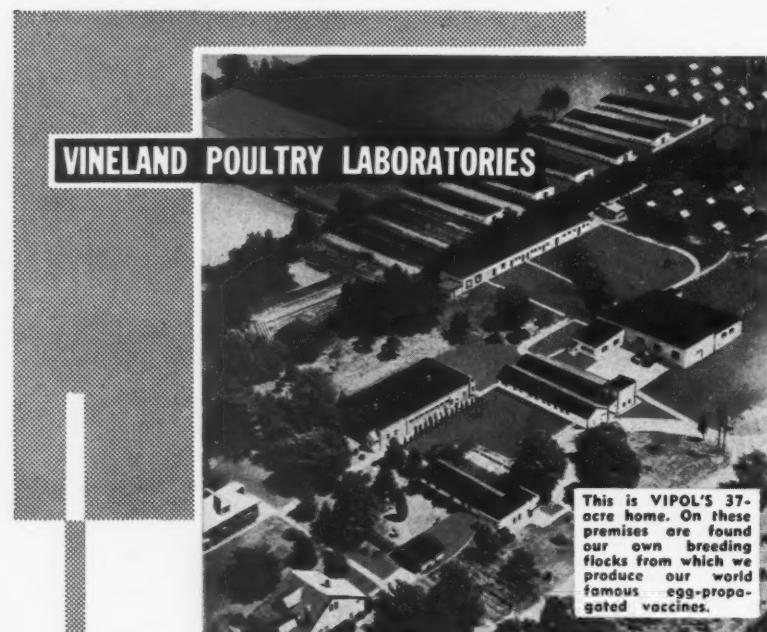
During her years here at Cornell, she has been elected to Phi Kappa Phi, and Omicron Nu, for which she is most honored. She belongs to the Agricultural Missions Board of Directors and participates in the National American Association of University Women Fellowship Award Committee. She is the only woman member of the United States

Committee of the Armed Forces Educational Program.

Dean Vincent speaks of her seven years at Cornell as "the peak years of my career." Cornell regrets her leaving but her future writing and teaching human growth and development at the Pennsylvania College for Women hold new challenges for her. In her cheerful, quiet, but effective way, Dr. Vincent has certainly fulfilled the promises made by her predecessor, Miss Sarah G. Blanding:

Leads Forward

"The College and Cornell have found a woman who will carry forward the fine tradition of the College and with whom members of the staff and the Administration will have great delight in working. Her training, background, and personality eminently qualify her for the deanship. The members of the faculty will find her an excellent administrator, a woman of ideas and ideals, and I predict for her an enviable record as dean of this college."



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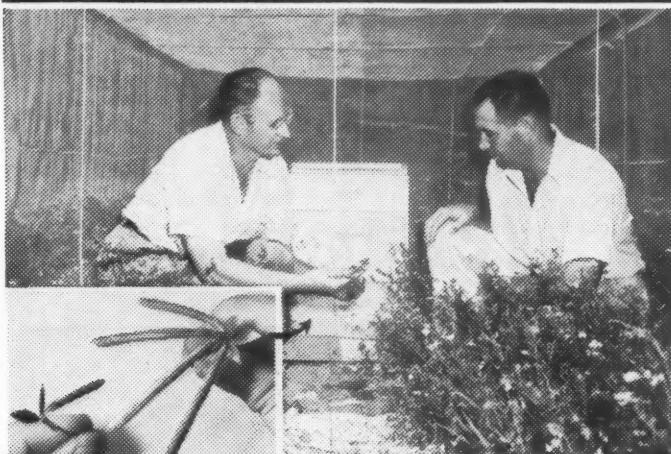
Ithaca, N. Y.

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SCIENCE at WORK

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BEES MAKE A DIFFERENCE—Honeybees working under the "Big Top" (screened cage) produce a big crop of Birdsfoot Trefoil, the newest hay and pasture legume for New York farmers. The bees concentrate their flower visits on the new Viking variety developed by Dr. H. A. MacDonald, Cornell agronomist. He is showing Dr. Wm. L. Coggshall, extension apiarist, how seed pod production in the cages surpassed pod development in the open field. Mainly because of poor pollination only one-fourth of the national requirements of 12,000,000 pounds of this legume seed has been produced, but the specialists hope to meet the demand when they learn the number of honeybees needed for efficient pollination.

YES, Cornell research makes a difference in your living standards. Both consumers and farmers benefit from better quality foods and lower operating costs that frequently result from the activities of your College of Agriculture . . . its extension specialists . . . and research scientists.

Investigations are being carried on with fruit, forage crops, pollination, engineering, animal nutrition, and many other elements of a farm business. But these are only a few of

the areas in which important research is underway.

"Science at Work" brings the results of some of this research to the attention of the public. Other information is presented through radio, television, bulletins, and other media.

All of the departments of the College of Agriculture work together in developing new ideas that will increase the quality and quantity of farm products at lower cost.

The New York State College of Agriculture

of Cornell University

Home Ec Club

(Continued from page 14)

department, held its state convention in New York City the first week end in May. Aura Freedman '56, Frances Wollner '54, Janet McGinnis '56, Janet Van Aken '55, Connie Jones '55, Janet Frost '55, Ann Farwell '55, state secretary, and Ruth Strong '55, national officers were selected to represent the club in New York. Lord & Taylor, Good Housekeeping, McCall's Magazine, and Simplicity Patterns were among the places they toured as

well as attending meetings and lectures. Next year the state convention will be held in Ithaca.

Poultry Club

The Poultry Club elected the following officers for next year: President, Richard Reading '54; vice president, John Monroe '55; secretary, Peter Gage '54; treasurer, Douglas Bancroft '54; reporter, Schurett Whitworth '56.

The annual faculty-club banquet will be held May 24th at Taughannock Farms Inn with Peter Gage as chairman.

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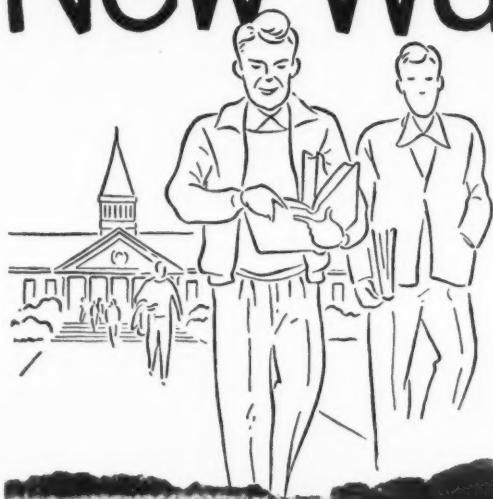
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The Case Eagle Hitch Hammer Mill takes but a few minutes to mount on the tractor—no belting up, no staking down. Lift it with hydraulic power and zip away to the job. Dozens of other Eagle Hitch Implements make Eagle Hitch Farming the most exciting farm equipment advance of a generation. J. I. Case Co., Racine, Wis.

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Picnic Pointers . . .

(Continued from page 11)

together in pairs, and wrap each pair in a lettuce leaf held with a toothpick. Carry a loaf cake along right in the pan in which it was baked.

Why not have a neighborhood picnic? Invite the whole block. Ask

all the women bringing casseroles to follow the same recipe, and then pool all the resources. In arranging salad trays, dash tomatoes and cucumbers with salt, avocado with lemon juice, and add chives to some of the cream cheese. Have each family bring half a cup of ground coffee, and mix it all in a friendship blend

for good "boiled" coffee made on the spot.

Here's a novel idea for a "hobo hike:" Tie your lunch in a square of red-checked gingham—open it up and it's a napkin and a lapkin. In each bundle put fried chicken, whole wheat lettuce sandwiches, a tight-topped waxed-paper cup of baked beans, a tomato, a wedge of cheese, and a banana. Tie the opposite corners and tuck in the picnic silver.

Backyard Picnic

Don't be discouraged if you haven't time or transportation to get away from home—you can have a picnic right in your own back yard! Invest in a little charcoal broiler, set it up in the driveway, and just get a whiff of the steaks you can cook on that little broiler! Or if you have a little fireplace in your back yard, invite your friends over for a hotdog roast on a starry night.

Warm weather is almost here, and it's not too early to begin thinking about how you can make the most of your picnic days, and have a rollicking, picnicking good time!

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EVAN J. MORRIS, Prop

7:45 P.M.

OPEN EVENINGS

7:45 P.M.

THE CORNELL COUNTRYMAN

Professors . . .

(Continued from page 9)

No student complains because his professor forgot his tie, but he will complain if the teacher neglected to prepare an interesting discussion.

Students sometimes scare off professors from telling the same stories year after year. The average professor cannot afford a gag writer; so if the stories are good, let him tell them endlessly!

The Over-Hanging Mossbacks: This type hangs over his lecture and reads his lectures. It is difficult for students to understand why a man who has been giving a given set of lectures from five to twenty-five years has to read them. Students rightfully complain "he doesn't know the material, why should we be expected to?" If these professors had the real interest of the students at heart, they would make recordings and let the students play them in the comfort of their own rooms.

Education Resembles Battle

The Untouchables: Some professors make students feel that they are above human contact. One can't deny that in modern mass education the old Marc Hopkins' concept is impossible. Neither can one deny that with a class of 100 or 500, the professor can't get to know the family tree of every student. On the other hand, students like to feel they could talk with the professor. Besides helping the students, this has definite psychological advantages. If the student knows the prof a bit, he will be a lot more tolerant of him. A person can't hate the enemy quite so much if he knows him.

And that brings me to another beef. Modern college education tends to resemble a battle! The contest is to see who can outsmart whom. The student participates in the contest by seeing if he can ferret out the "right stuff" to get by on examinations. The professor all too often dishes it out with the attitude of "get it, if you can" and then tries to catch up the students on examinations. Is this education?

Too Good To Teach

Holier than Thou Professors: The highly successful researcher sometimes fits this category. He sometimes takes too seriously the prestige bestowed upon him by the public and the college administration. One professor in this category was at least honest. Several students complained plaintively that they hadn't the slightest idea what he was talking about during the lecture hour. His lofty reply was, "I

am not a teacher, I am a "RESEARCH MAN." A halo was supposed to appear over his head but none was visible to his students. They rightfully dread a student attitude of "This guy may be a full professor but what is he full of?" Nonetheless, a very high proportion of the professors listened to could afford to hark to the gospel of "good teaching."

Professor Perfectus: This rare species, a rose among thorns, inspires one with a faith of what can be done. He gets little nourishing praise from his administration and most of his students seem to take for granted that a rose is a rose. Doubtless he has the genetic capabilities of greatness but he seems nurtured by his own determination and enthusiasm. The only reward he can look forward to is to be flattened into a herbarium specimen; he will then be as he always has been—"pressed for time."



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Ithaca Weather . . .

(Continued from page 10)

al storm moving up the Atlantic Coast with size enough to reach as far inland as Ithaca. In this case the wind is from the east or northeast, and this is the way it remains for 12 to 24 hours. The snow gets deep and students cut classes.

Arising from the frequency of such precipitation there are naturally a number of yarns to be told. But we'll get by with just a small one from the flood of 1935 (the flood that poured 11 inches of water into downtown Ithaca in a matter of 60 hours). A traffic accident on State St. during that July could easily involve both motor and oar-driven transporters—according to the tale, one did. When we get right down to it, it does seem rather easy to visualize automobiles dunking rowboats on State St. at the peak of some of this "Ithaca" weather.

But with our highest hopes for successful weather on the Saturday of May second and ninth, and consequently no rain on the cherished sixteenth—we sign this thing off. Splash. . . ?

4-H Club

Joe Matejka heads the slate of new officers for the 4-H Club as president for 53-54. The other officers are: James Ritchey, vice president; Hazel Bowdren '55, secretary; Kenneth Sheldon '54, treasurer.

The recreation team recently led a recreational program for the state PTA meeting at Cornell, April 29th. This team, formed in the fall, has gone out into surrounding county councils many times during the year to teach the council members games, songs, square and folk dancing. Kenneth Sheldon and Mary Ann Smith are co-chairmen of the committee for the coming year.

Ag Ec Club

A new slate of officers has just taken over the Cornell Ag Economics club. They are Mike Hostage '54, president; Roger Seefeldt '54, vice president; Mary Ann Kane '54 and Carroll Eberhard '54, secretaries; and Saul Salonsky '54, public relations officer.

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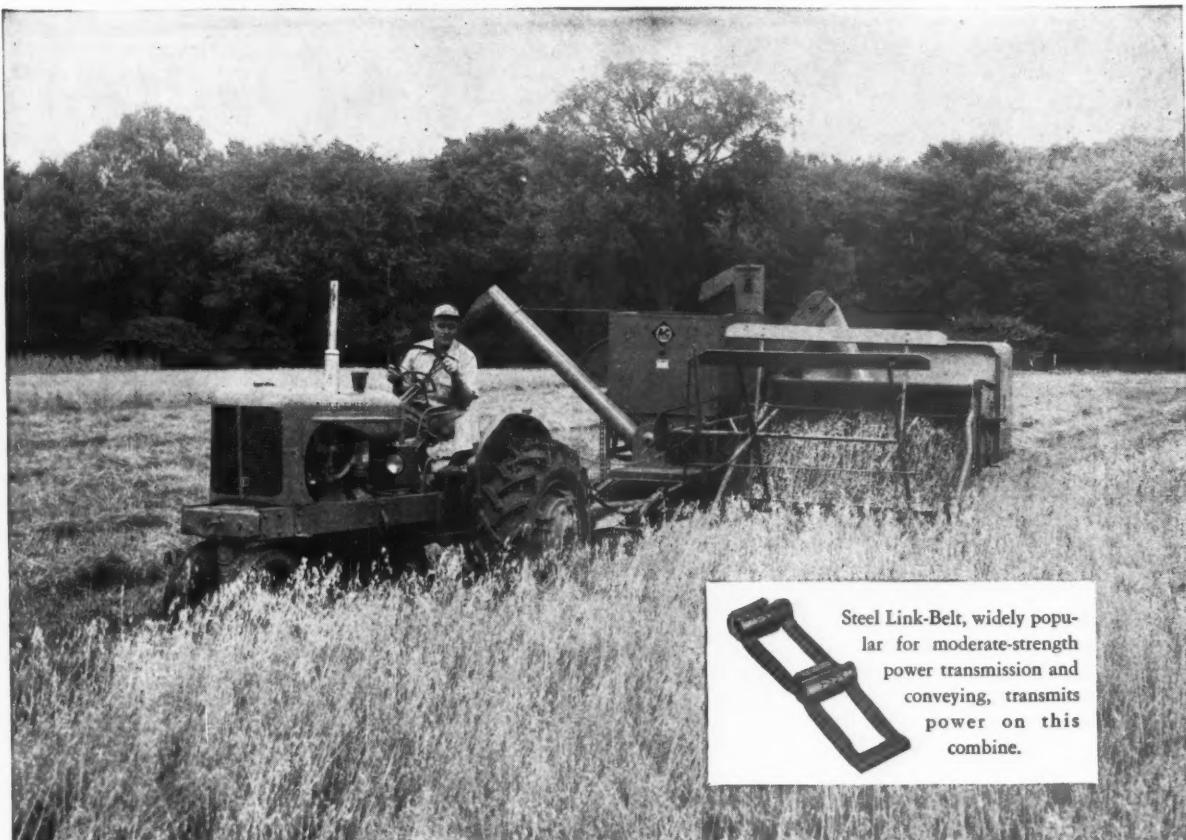
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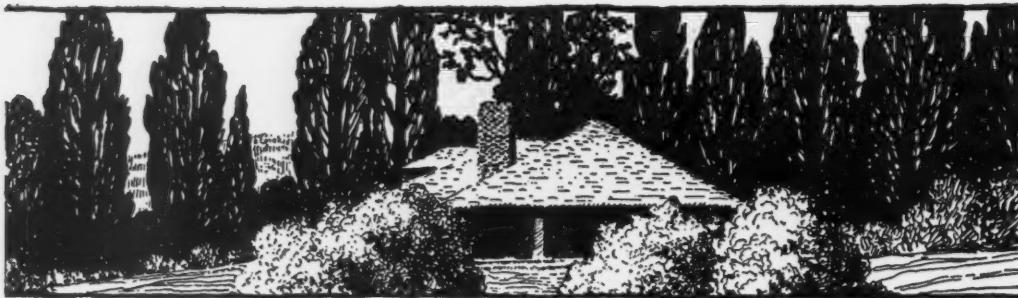
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Alumniets

AGRICULTURE

1929

William Bullock was in the Countryman's driver seat during his senior year at Cornell. On graduating he went with the Traveler's Insurance Company in Yonkers, New York. He married Miss Eleanor Corruth in 1930 and now has two sons. In 1930, Mr. Bullock started with the Mead Corporation of Chillicothe, Ohio where he remained until 1937.

1932

Robert Jonas is with the Soil Conservation Service at Warsaw, N. Y.

1935

Merrill Knapp has seen quite a bit of the world, and without a uniform. In 1935 he became Technical Director to the Albanian American Institute at Kavaje, Albania. Following this he came back to Cornell as an instructor in extension teaching. In 1943 Merrill again got the itch to travel. This time he became a United States Foreign Economics Administrator, serving in Washington, D. C., London, Egypt, and Greece. In 1945 he became a super market manager in Batavia, New York. He held this position until 1947 when Cornell again beckoned. He is now director of the Rural Radio Network here in Ithaca.

1936

William French is teaching agriculture to war veterans in Groton under the government's Farm Training Program.

1943

Angelo Fiscella is the Mt. Morris, N. Y., field man for the Birdseye Division of General Foods.

1947

Mrs. Marjorie Paquette Maguire received her Ph.D. from Cornell this fall. Marjorie who was a botany instructor last term, recently gave birth to a baby boy.

1950

Lee Oliver is completing his first year at Yale Divinity School after taking two years in the Divinity School of Boston University. His wife, Helen Malti Oliver '51 is also studying for a Bachelor of Divinity degree and will graduate next year with Lee. The Olivers often return to Ithaca during their vacation from school. Lee hopes to take a rural parish associated with a college town. His wife is specializing in religious education.

1951

Henry Blewer is selling farm machinery for the Petzold Equipment Co. in Owego, N. Y.

Bill Kirsch is working on marketing surveys for the agricultural economics department at his home in North Syracuse, N. Y.

Bill Blair is in his second year at Western Seminary in Pittsburgh, Pa.

Pvt. Ralph Blumenthal (M.F.S. '52) is working with the Army chemical engineers at Camp Detrick, Maryland. His address is 9766 TSU Chemical Corp, Camp Detrick.

1952

Arnold Weinberg was married last June and is in his first year at Harvard Medical School.

Field artillery lieutenants John Talmage, William Hedges and Sheldon Butlien are presently stationed at Fort Bragg, North Carolina. Willie and Sheldon will be sailing for Germany in the latter part of May.

1953

Among Army and Air Force lieutenants we find Bill Ash, John Hoffman, Belton Johnson, Joe McLaughlin, and Dan Fricke.

Hank Charlap has embarked on the Home Dairy business in Buffalo.

Toro Fuchigami is engaged in nursery greenhouse and turf experimental work in Davis, Calif.

John Mallory is working for the GLF Farm Supply Store in Canton, N. Y.

HOME ECONOMICS

1950

Esther Clark is food service manager for the Suffolk County Tuberculosis Sanitarium.

Charlotte Heinzeleman is Assistant Home Demonstration Agent in Schenectady County, N. Y.

1951

Mrs. Myrna Carter Rapp is a GLF secretary in Ithaca.

Barbara Ennis teaches high school home ec in Swedesboro, N. J.

Joan Goedert has the position of assistant 4-H Club agent of Nassau County, N. Y.

Mrs. Marie Waterbury Layer is a home service representative with the Long Island Lighting Co. of Mineola, N. Y.

1952

Ann Burrhus and Mary Alice Moore have weathered the storm of one term of teaching kindergarten in Dansville, N. Y., and Candor, N. Y., respectively.

Eleanor Carey is a dietetic intern at the Massachusetts General Hospital in Boston, Mass.

Gertrude Strong Neff is continuing her education as a graduate student in home ec here at Cornell.

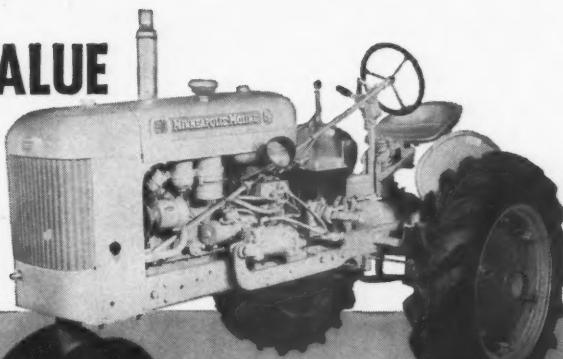
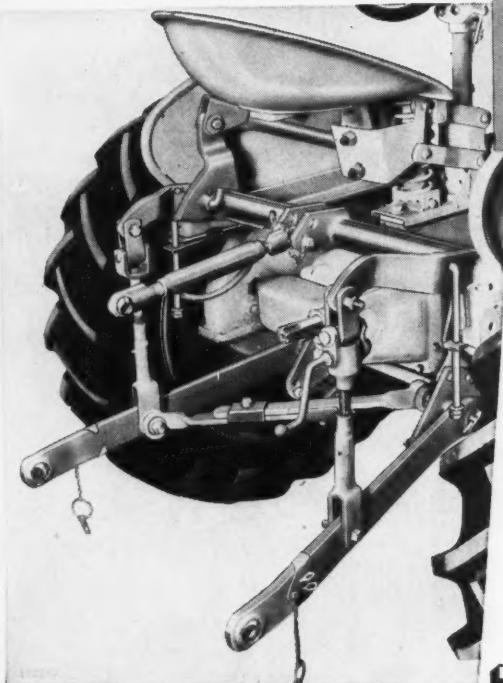




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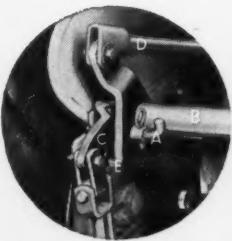


...THE NEW
**MM 3-POINT
HITCHOR THAT OFFERS
FREE FLOATING ACTION!**

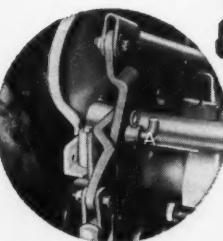
Here's the hydraulic 3-point hitch that's 'way out ahead! It's the MM QO Hitchor for the Model BF Tractor that offers the modern farmer-businessman *double value* because it gives him this *double action*: (1) This advanced MM QO Hitchor offers new "Free-Floating" action that allows attached implements to move up and down independent of the tractor. And, unlike any other 3-point hitch system, the MM Hitchor allows split-second lifting, even in "Free-Floating" position. This means that a moldboard plow attached to the Hitchor can be set "free" to hold a uniform depth just like a wheeled plow. And, the tractor operator can pull the plow in "free" position and *still* lift the implement for easy transport. The farmer gets *high-quality, pull-behind* plowing with all the advantages of the MM 3-point system. (2) Now, suppose the farmer wants controlled down pressure. He moves just *one* pin and QO Hitchor applies pressure evenly and smoothly to hold a disc plow into the ground, to put pressure onto a scraper or scoop. It's *that* quick, *that* easy. Tools mount and dismount in minutes. Truly, the MM QO Hitchor offers the last word in 3-point operation . . . *offers more, because it does more.*



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MINNEAPOLIS 1, MINNESOTA



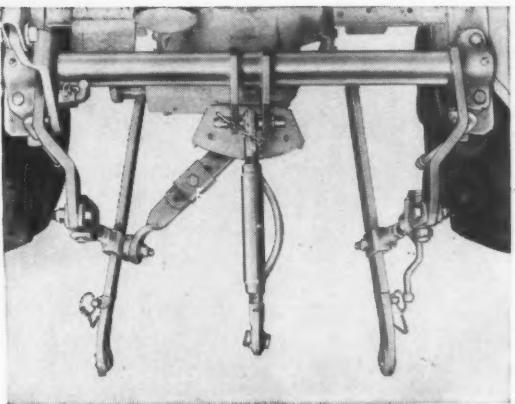
HERE'S THE QO HITCHOR
IN "FREE-FLOATING"
POSITION



HERE'S THE QO HITCHOR
IN "CONTROLLED"
POSITION

When implements are allowed to "float", pin (A) is locked out. Then, lifting roll (B) controls linkage arm (C) only when Uni-Matic jack (D) lifts linkage arm at (E) for transport. Hitchor offers hydraulic pitch control from tractor seat.

Note that pin (A) is now locked in. This permits the operator to maintain full control of mounted implements and apply down pressure when desired.



TOP VIEW SHOWS BUILT-IN STABILIZER

Stabilizer Bar (F) is standard equipment on the MM QO Hitchor. Bar operates three ways: (1) to stabilize draft links and center on the tractor (2) to stabilize links but center to right or left of tractor, and (3) to make links free-swinging but limited in swing to clear tires for contour work.

LITERARY,

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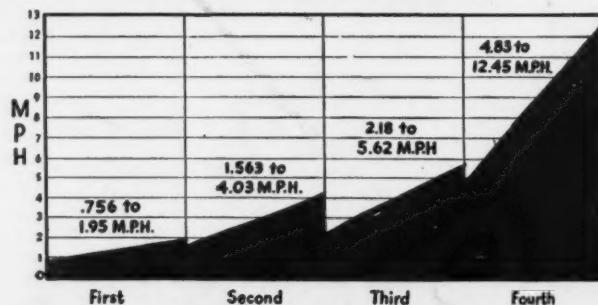
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HERE'S WHY IH ENGINEERS DESIGNED Variable-Speed Propulsion for the McCormick No. 127-SP

IH engineers know that a combine must have a wide range of instantly adjustable field speeds to help farmers do a fast, clean, thorough job of harvesting under all conditions. This is why they have built the McCormick No. 127 self-propelled harvester-thresher with a 4-speed transmission and a variable-speed, V-belt propulsion drive. The handy propulsion control lever, mounted on a 9-position quadrant, changes the diameter of two variable-speed sheaves simultaneously to furnish accurate speed adjustments within each gear range. Farmers can maintain a constant separator speed, yet match their travel speed to varying crop conditions instantly . . . to do a better job of combining and cover more acres a day!



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IH engineering teamwork produced the variable-speed propulsion of the McCormick No. 127-SP Harvester-Thresher. Another example of how IH research, engineering, and manufacturing men are constantly pooling their talents to solve problems—to provide equipment that makes work easier and the farmer's time more productive, more profitable.



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